

Human growth arrest and DNA-damage-inducible, alpha ELISA Kit | GADD45A elisa kit

Human Growth arrest and DNA damage-inducible protein GADD45 alpha, GADD45A ELISA Kit

CATALOG #
AAA112240

REACTIVITY
Human

PRODUCT SYNONYMS

growth arrest and DNA-damage-inducible; alpha; Human Growth arrest and DNA damage-inducible protein GADD45 alpha; GADD45A ELISA Kit; Human Growth arrest and DNA damage-inducible protein GADD45 alpha (GADD45A) ELISA kit; RP5-975D15.1; DDIT1; GADD45; DNA damage-inducible transcript 1; DNA damage-inducible transcript-1; DNA-damage-inducible transcript 1; growth arrest and DNA-damage-inducible 45 alpha; GADD45A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human GADD45A. No significant cross-reactivity or interference between human GADD45A and analogues was observed.
Sequence Length	131
Samples	Serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	25 pg/ml-1600 pg/ml
Sensitivity	< 6.25 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GADD45A elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GADD45A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GADD45A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GADD45A is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GADD45A bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	315075323
NCBI GeneID	1647
NCBI Accession #	NP_001186670.1
NCBI GenBank Nucleotide #	NM_001199741.1
UniProt Accession #	P24522; Q5TCA7; Q5TCA8
Molecular Weight	18,336 Da
NCBI Official Full Name	growth arrest and DNA damage-inducible protein GADD45 alpha isoform 2
NCBI Official Synonym Full Names	growth arrest and DNA-damage-inducible, alpha
NCBI Official Symbol	GADD45A
NCBI Official Synonym Symbols	DDIT1; GADD45
NCBI Protein Information	growth arrest and DNA damage-inducible protein GADD45 alpha; DDIT-1; DNA damage-inducible transcript-1; DNA-damage-inducible transcript 1; DNA damage-inducible transcript 1 protein; growth arrest and DNA-damage-inducible 45 alpha
UniProt Protein Name	Growth arrest and DNA damage-inducible protein GADD45 alpha
UniProt Gene Name	GADD45A
UniProt Synonym Gene Names	DDIT1; GADD45; DDIT-1
UniProt Entry Name	GA45A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gadd45a-human-elisa-kits/growth-arrest-and-dna-damage-inducible-alpha/112240>